

10

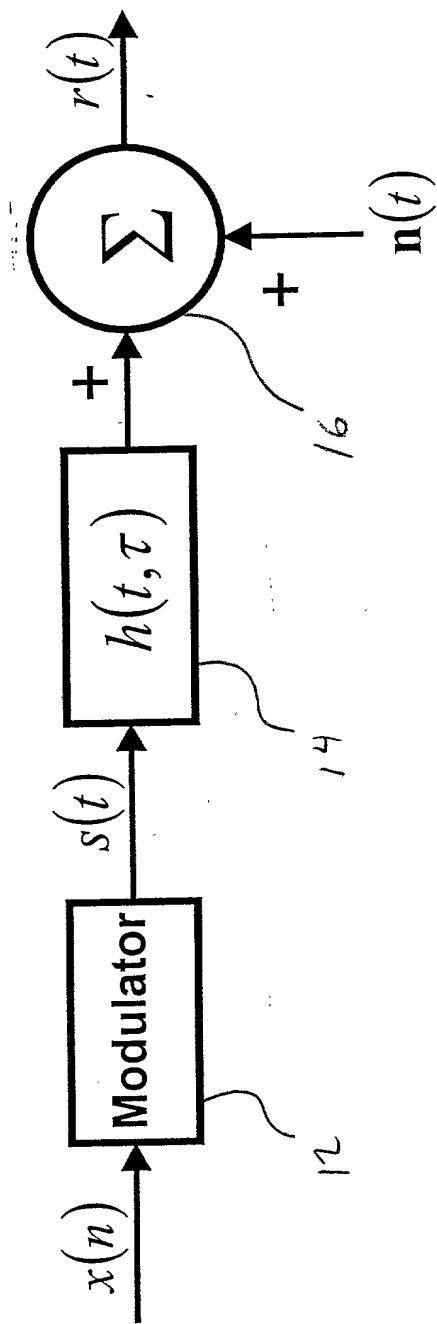


FIG. 1
(PRIOR ART)

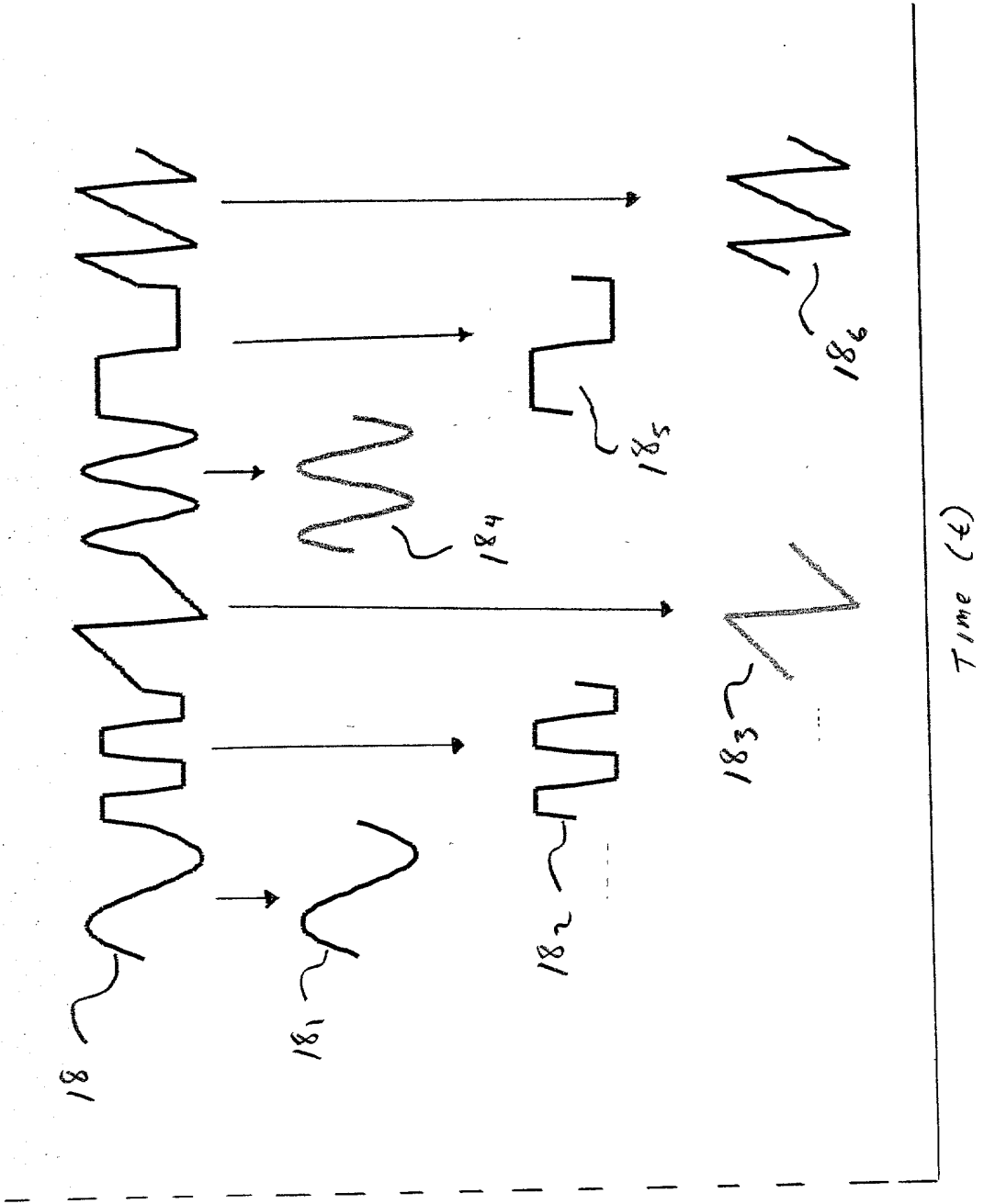


FIG. 2
(PRIOR ART)

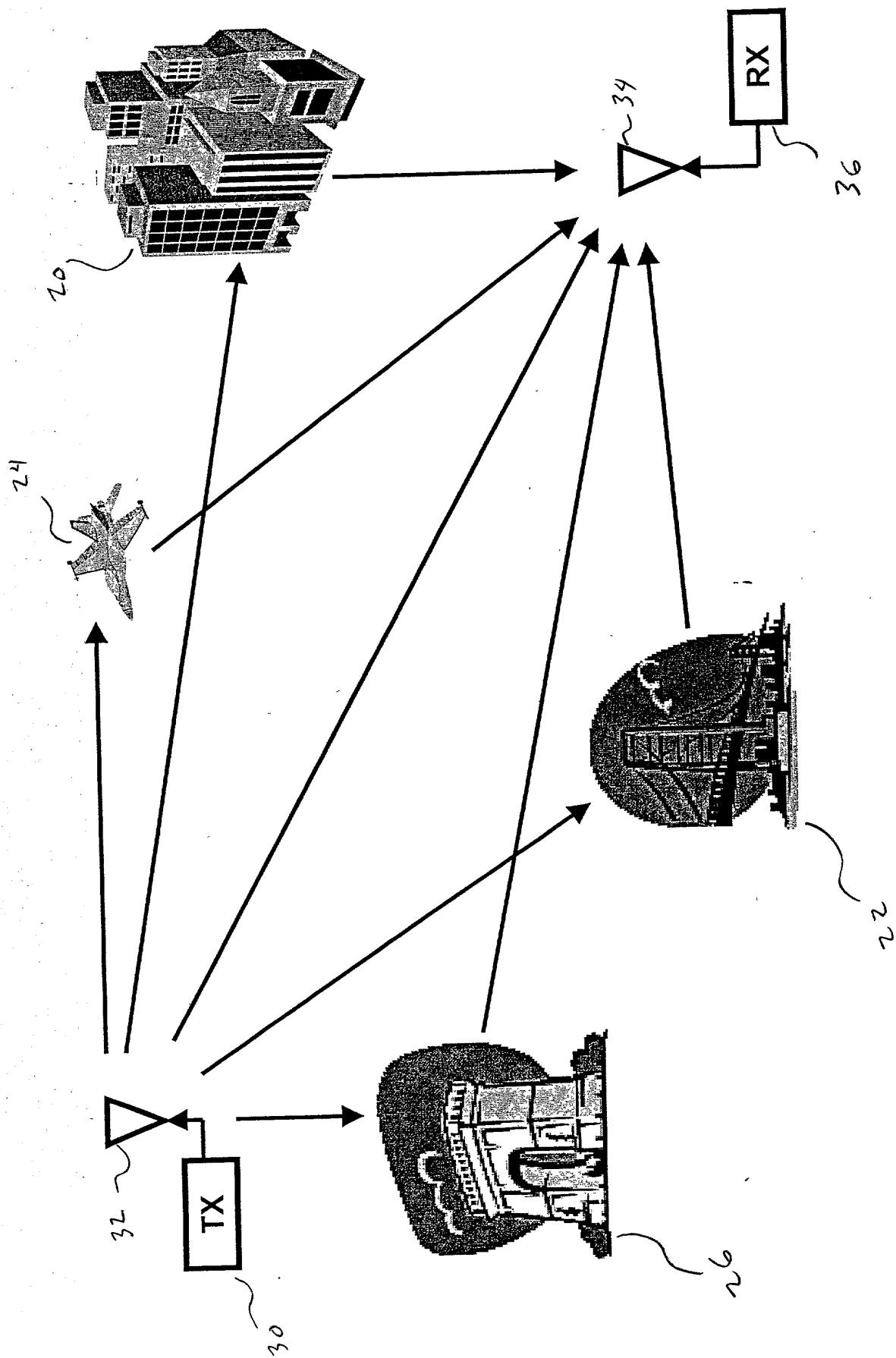


FIG. 3
(PRIOR ART)

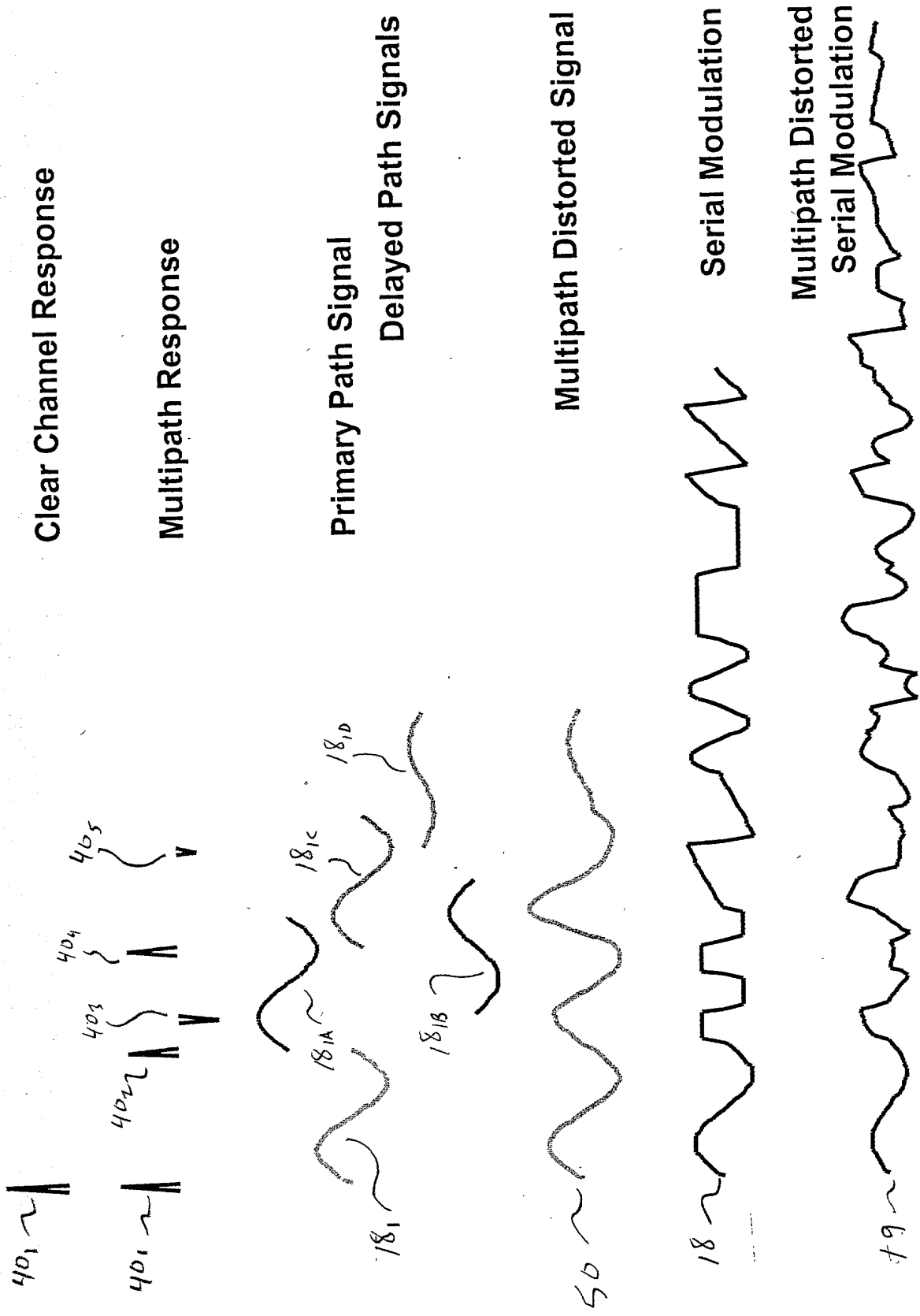


FIG. 4

(PRIOR ART)

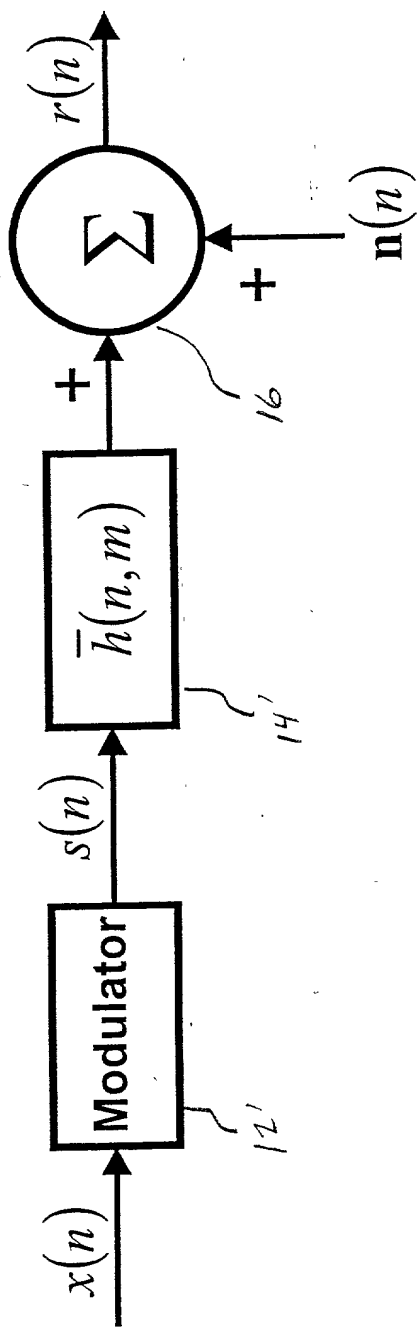


FIG. 5
(PRIOR ART)

60

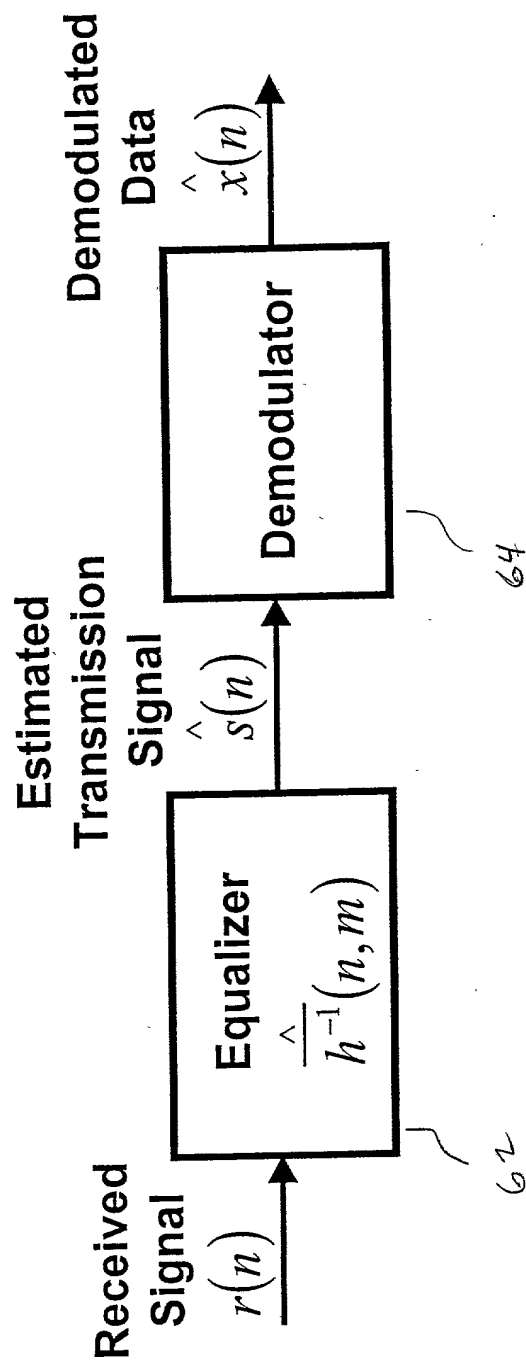


FIG. 6
(PRIOR ART)

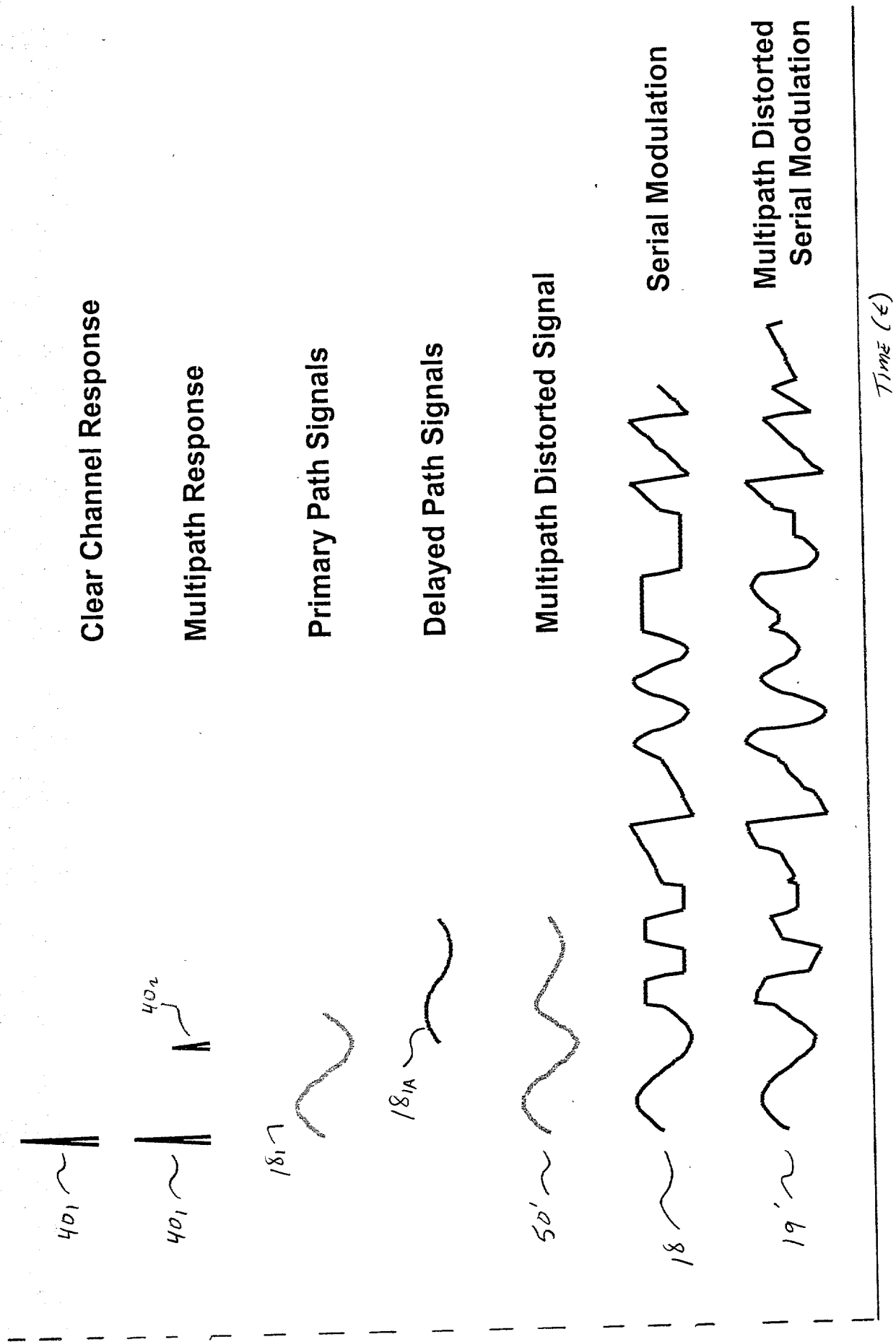


FIG. 7
(PRIOR ART)

10550" 65999860

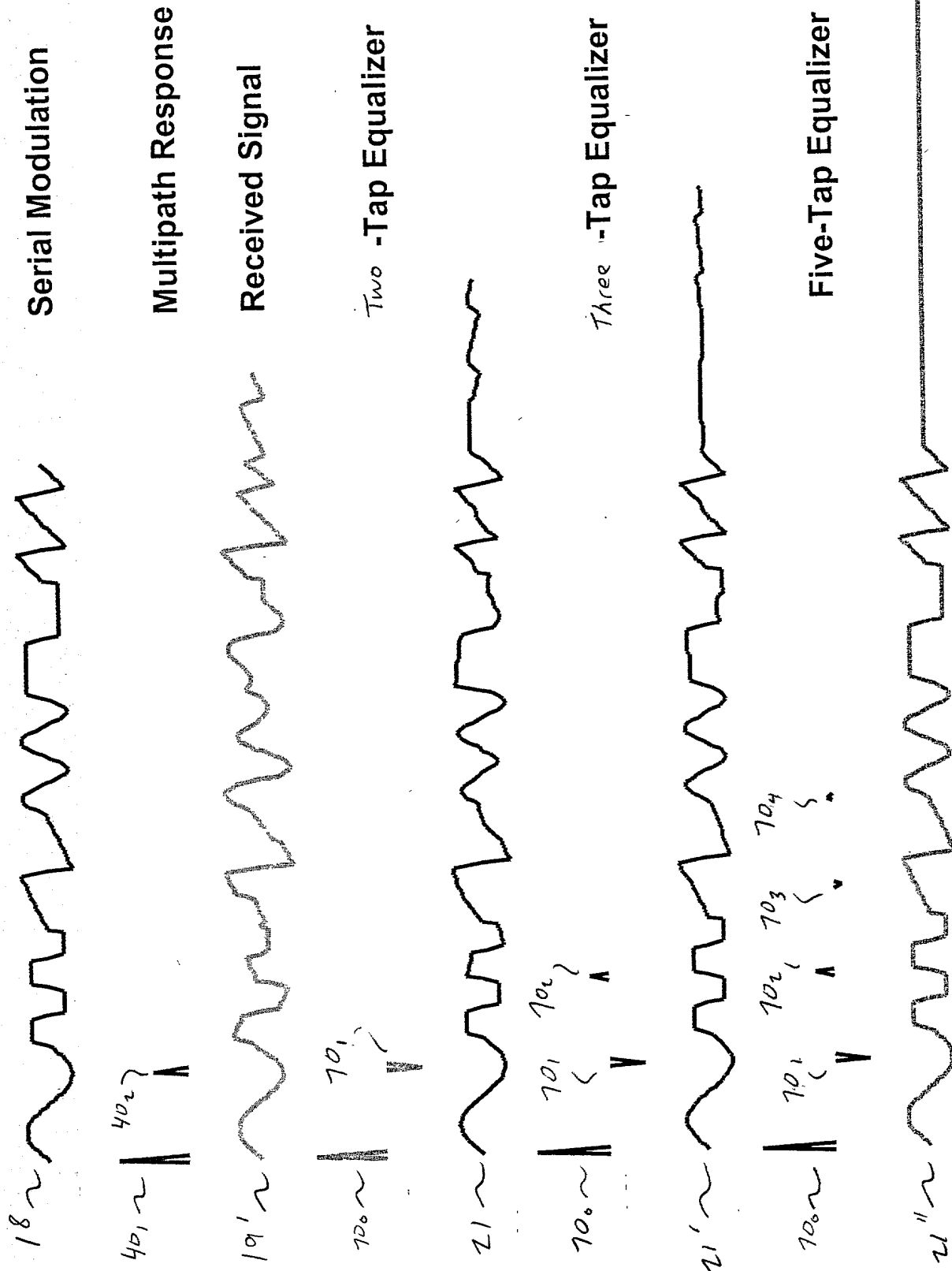
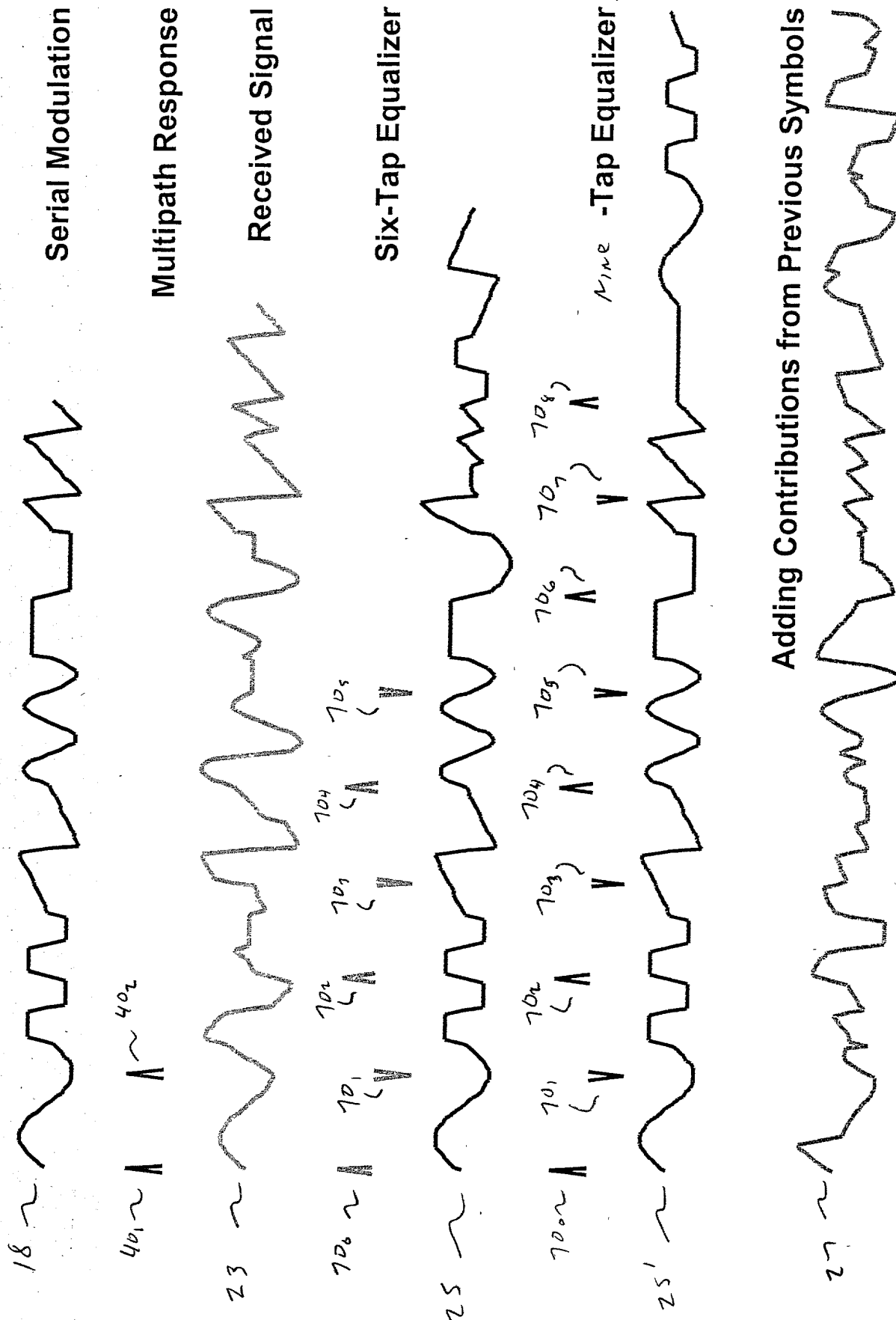


FIG. 8

(PRIOR ART)

TIME (t)

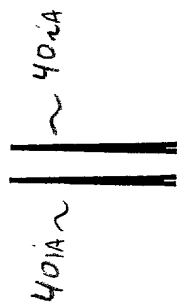
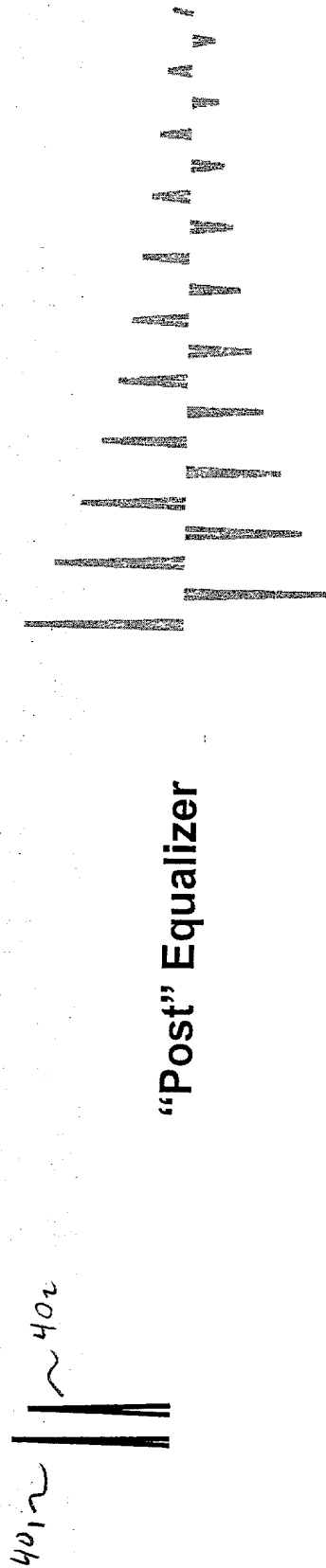
105250"6599360



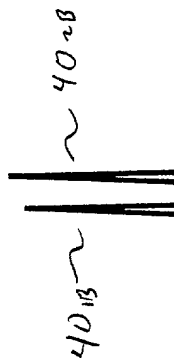
Time (t)

FIG. 9
(PRIOR ART)

T 034537 5039360



No Equalizer Possible



"Pre" Equalizer

Time (t)

FIG. 10
(PRIOR ART)

START 90

Estimating the multipath propagation of the received signal using a channel estimator 92

Estimating at least one symbol of the received signal using a symbol estimator 94

Adjusting the at least one estimated symbol based upon the estimated multipath propagation impairment to generate an estimate of the at least one symbol as impaired by the multipath propagation 96

Generating at least one error signal by comparing the estimate of the at least one symbol as impaired by the multipath propagation to the received signal 98

Using the at least one error signal for estimating remaining symbols to be demodulated. 100

END 102

FIG. 11

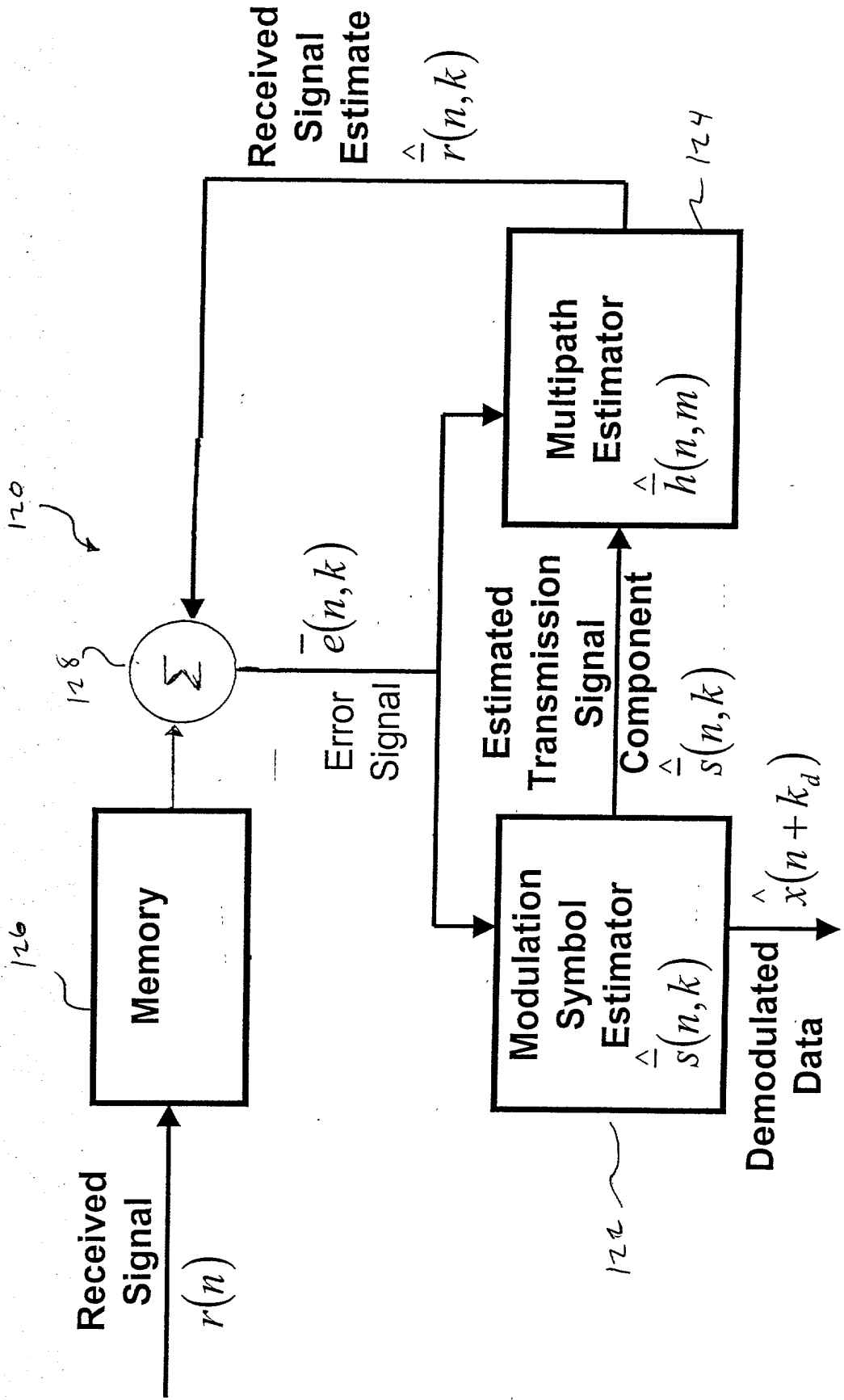
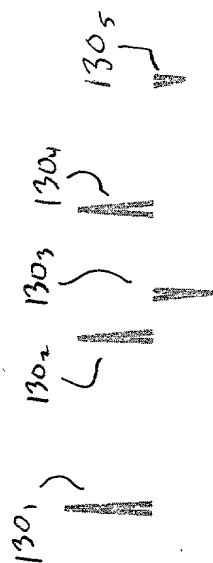


FIG. 12



MULTIPATH RESPONSE ESTIMATE



SUBTRACT RESULT FROM RECEIVED SIGNAL



TIME (t)

FIG. 13

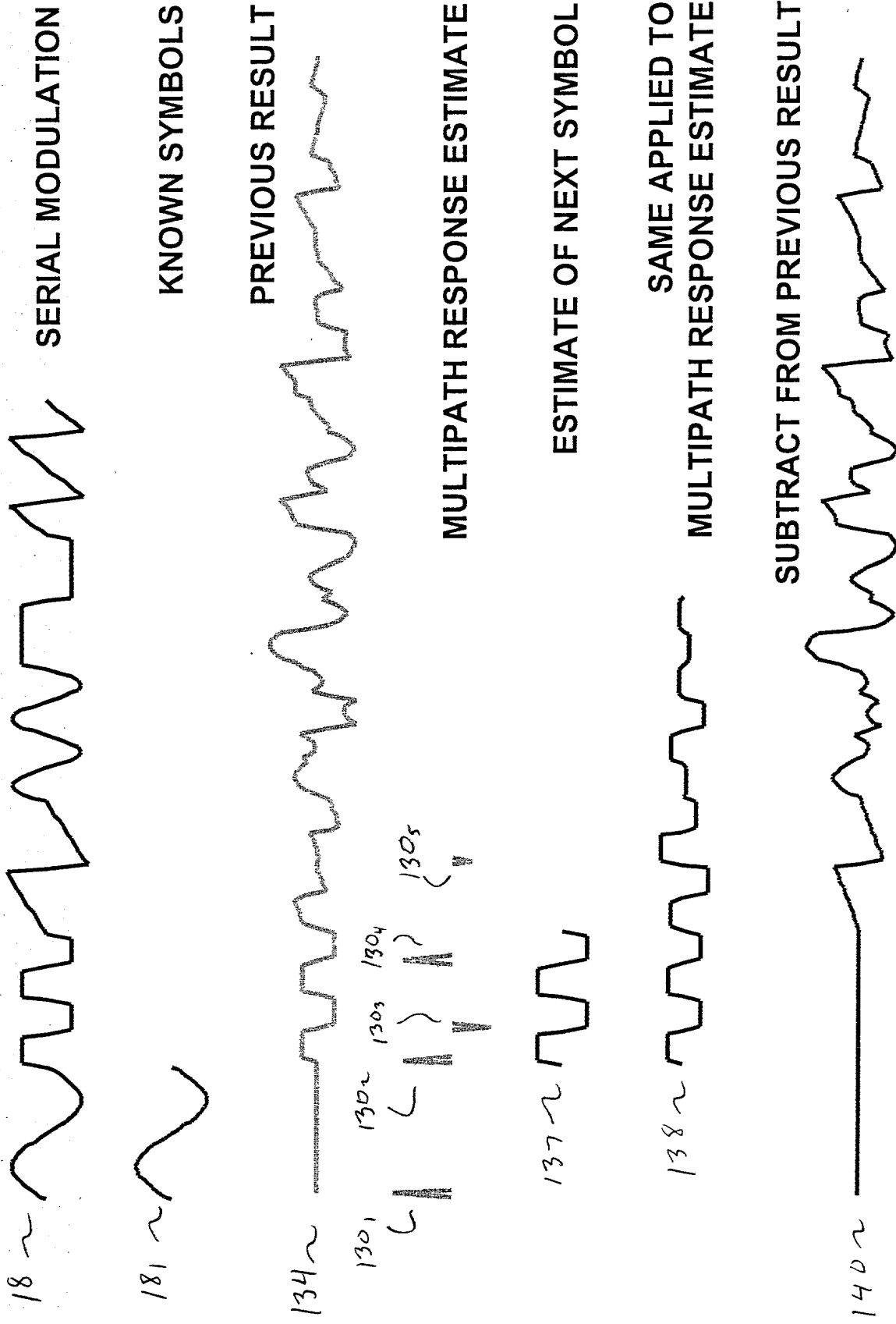
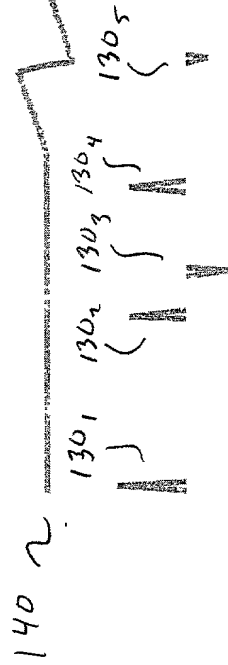


FIG. 14



PREVIOUS RESULT



ESTIMATE OF NEXT SYMBOL



APPLIED TO MULTIPATH ESTIMATE AND SUBTRACTED



ESTIMATE OF NEXT SYMBOL



APPLIED TO MULTIPATH ESTIMATE AND SUBTRACTED



FIG. 15

Time (ε)

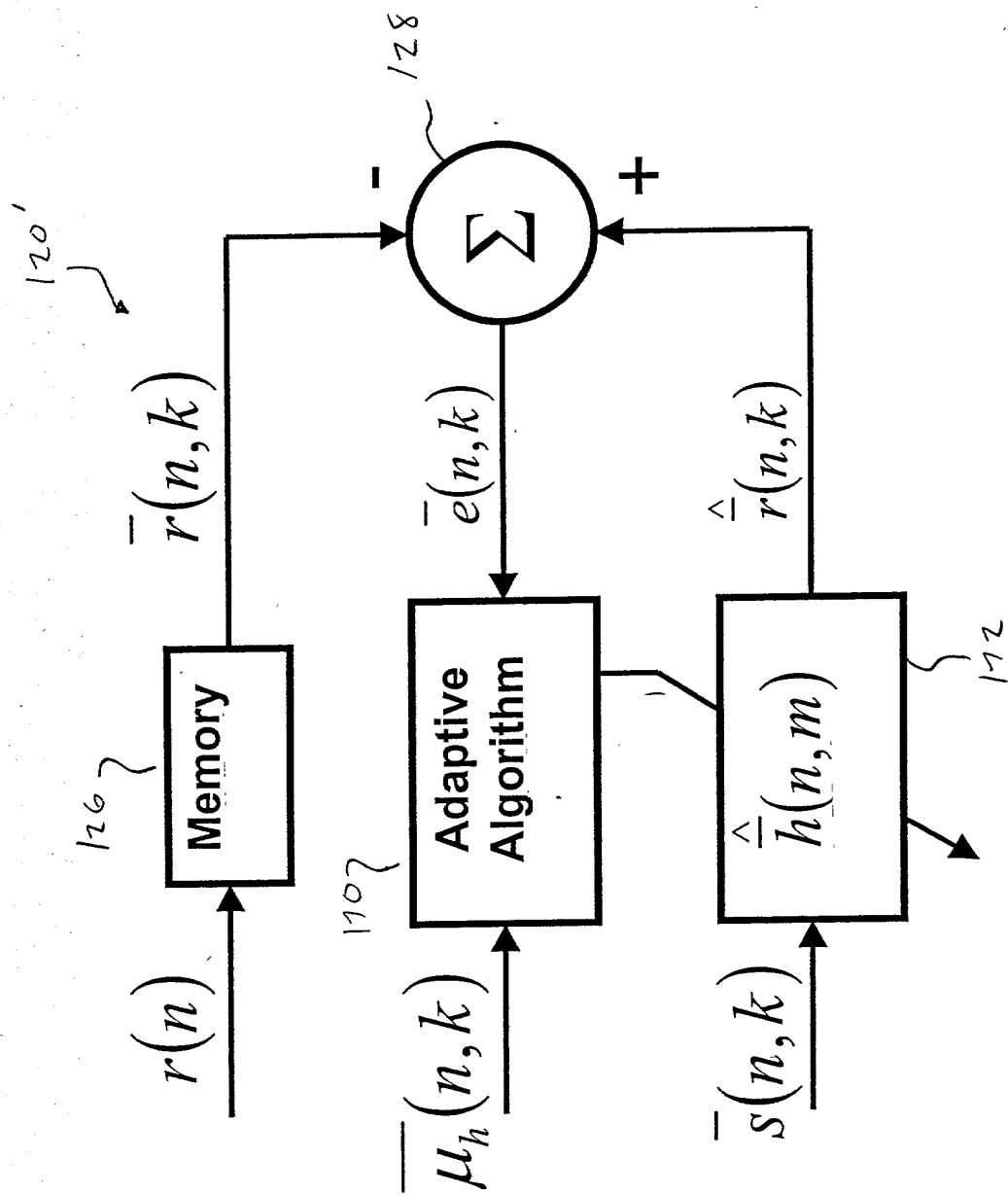


FIG. 17

FIG. 18

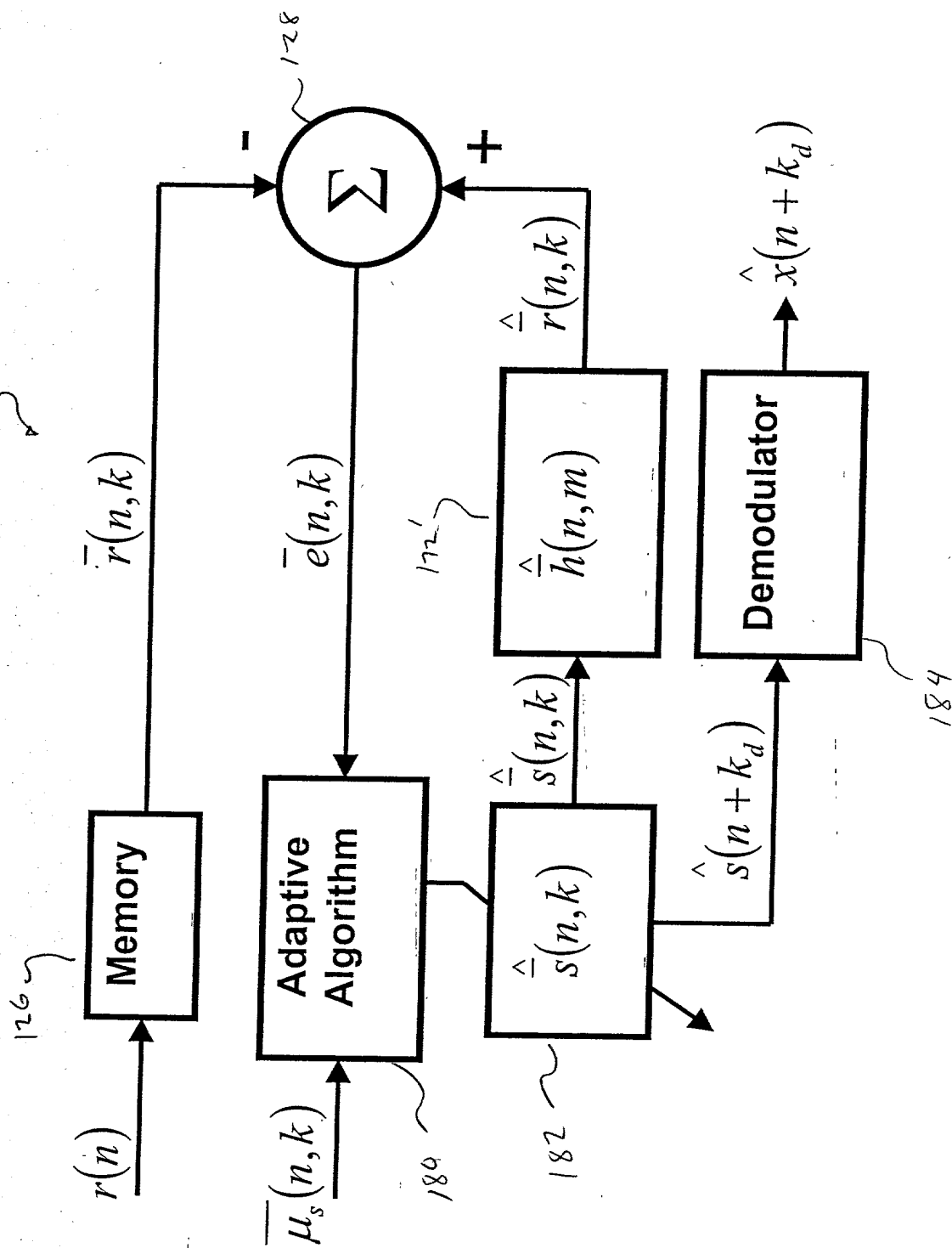


FIG. 18

120"

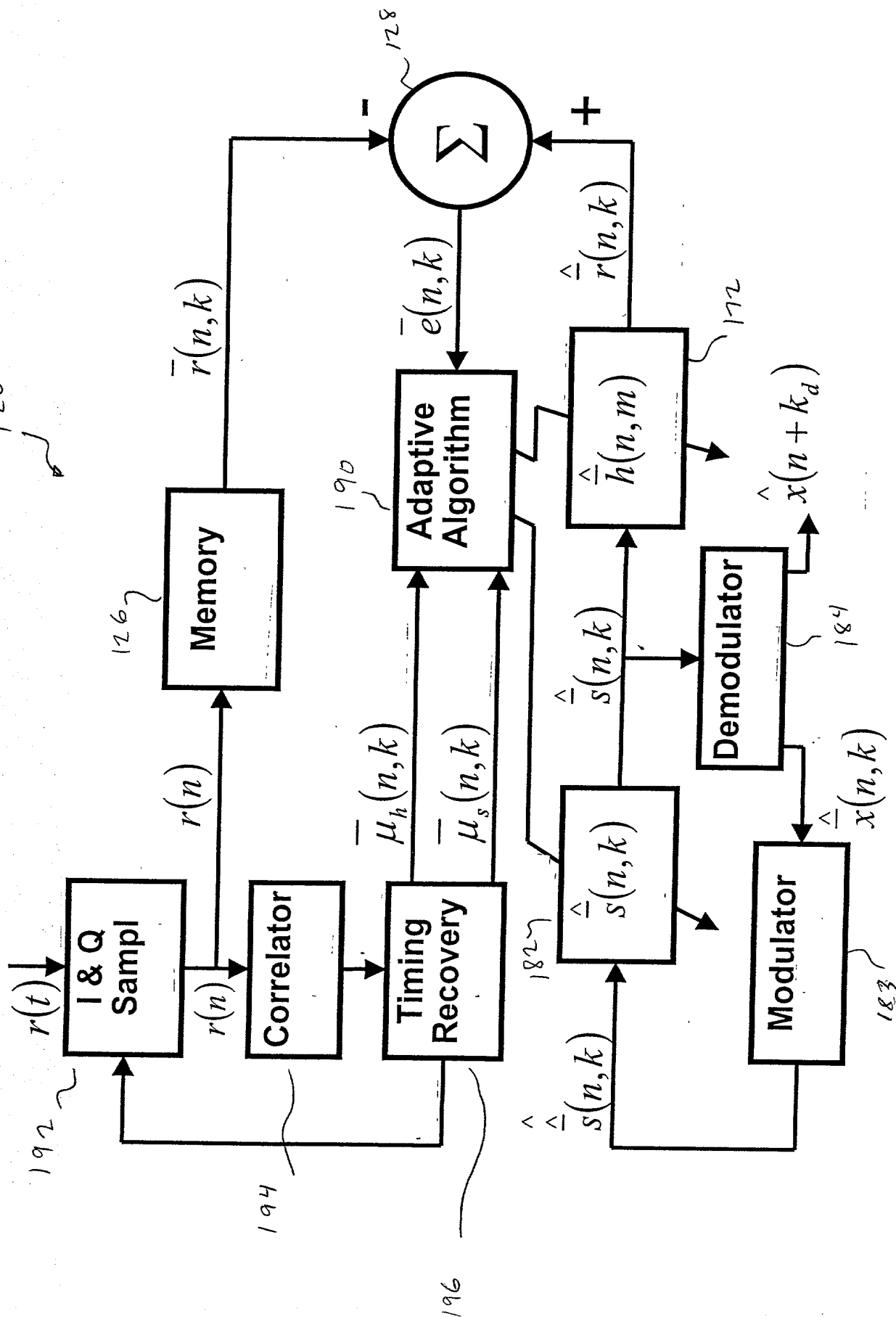


FIG. 19

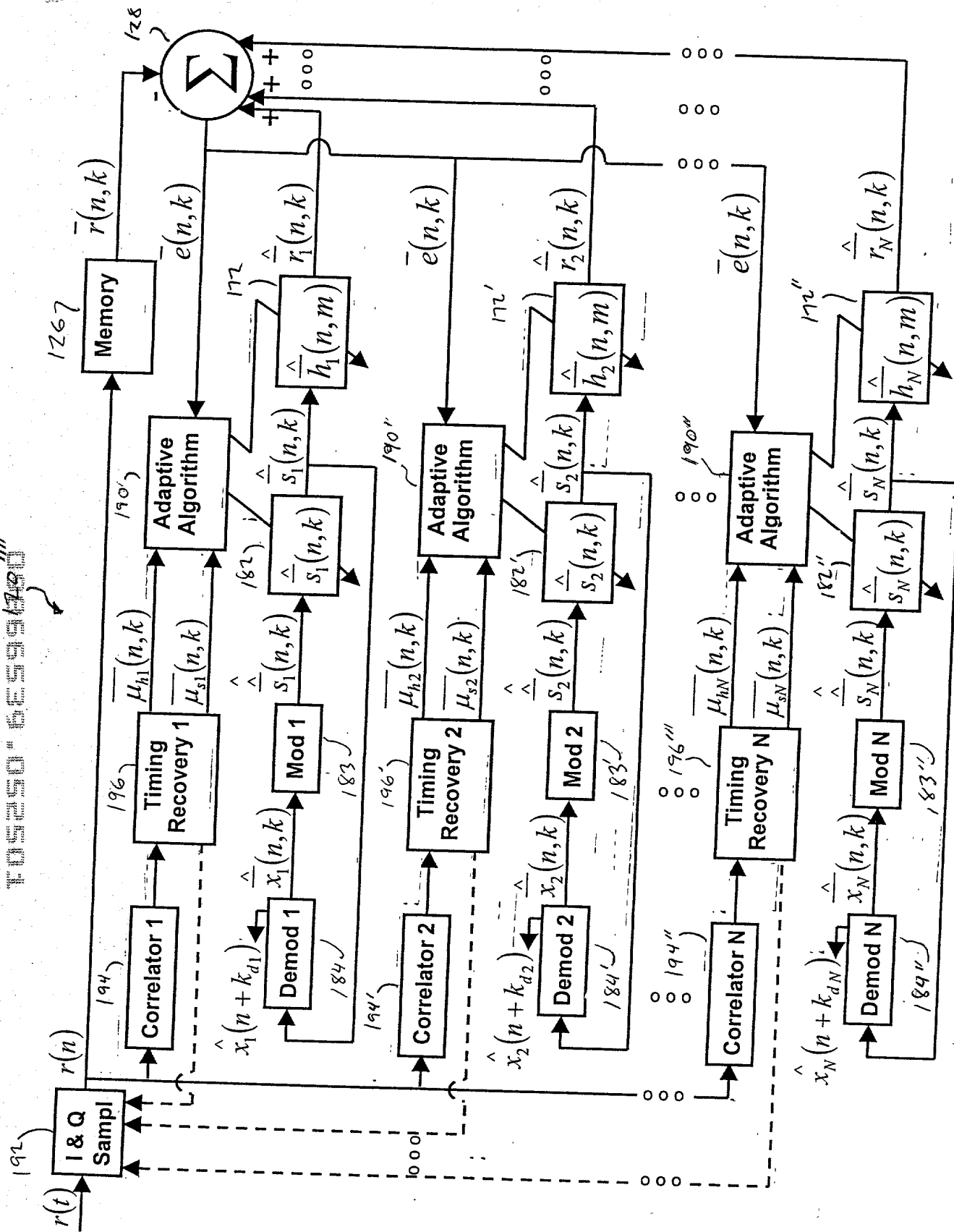


FIG. 20